EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(504/116).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:46
L2	372	(504/116.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 08:09
L3	4	("3051122").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 10:51
L4	5	("3037085").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 08:25
L5	4	("3024221").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 08:26
L6	2	("0005956").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 08:27
L7	2	("5635450").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 10:59

EAST Search History

L8	2	("0052006").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 10:52
L9	3	("5447903").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 10:59
S1	0	Kotzian-Georg.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/14 09:05
S2	27	Kotzian near Georg.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/14 09:10
S3	368	(504/116.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/14 09:14
S7	118	metamifop or (chloro near benzoxazol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/14 09:16
S8	83	anilide and synerg?	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/14 09:40

Case 10509635

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NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 11:09:31 ON 24 SEP 2007

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                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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DICTIONARY FILE UPDATES:  23 SEP 2007  HIGHEST RN 947726-74-1

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=> e metamifop/cn
E1            1     METAMIDIUM SURAMINATE/CN
E2            1     METAMIDOPHOS/CN
E3            1 --> METAMIFOP/CN
E4            2     METAMIN/CN
E5            1     METAMINA/CN
E6            1     METAMINE/CN
E7            1     METAMINE ACID FUCHSINE 6B/CN
E8            1     METAMINE BLUE BLACK/CN
E9            1     METAMINE FAST ACID RED N/CN
E10           1     METAMINE FAST LIGHT RED 4BL/CN
E11           1     METAMINE FAST LIGHT RED BL/CN
E12           1     METAMINE FAST LIGHT YELLOW 2GX/CN

=> s e3
L1            1 METAMIFOP/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   256412-89-2  REGISTRY
ED   Entered STN:  21 Feb 2000
CN   Propanamide, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-N-(2-
     fluorophenyl)-N-methyl-  (CA INDEX NAME)
OTHER NAMES:
CN   Metamifop
MF   C23 H18 Cl F N2 O4
CI   COM
SR   CA
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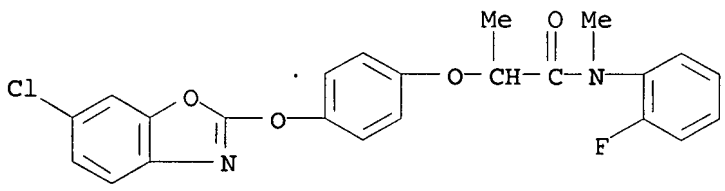
Case 10509635

LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.80	8.01

FILE 'CAPLUS' ENTERED AT 11:10:48 ON 24 SEP 2007
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FILE COVERS 1907 - 24 Sep 2007 VOL 147 ISS 14
FILE LAST UPDATED: 23 Sep 2007 (20070923/ED)

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=> s L1
L2 20 L1

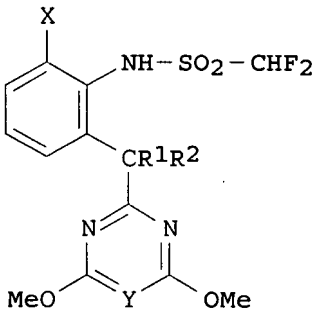
=> d L2 1-20 IBIB ABS

L2 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:793455 CAPLUS
DOCUMENT NUMBER: 147:159919
TITLE: Safened synergistic herbicide composition for paddy containing difluoromethanesulfonamide derivatives
INVENTOR(S): Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin; Minegishi, Natsuko
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: PCT Int. Appl., 27pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007079965	A2	20070719	WO 2006-EP12502	20061222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007186460	A	20070726	JP 2006-6422	20060113
US 2007167328	A1	20070719	US 2007-622514	20070112
PRIORITY APPLN. INFO.:			JP 2006-6422 A	20060113

OTHER SOURCE(S): MARPAT 147:159919
GI



I

AB A synergistic herbicide composition for paddy contains a difluoromethanesulfonamide derivative I (X = halo; Y = CH or N; R1 = H; R2 = H or OH; CR1R2 = C:O) and at least one herbicidal compound selected from pretilachlor, butachlor, alachlor, metolachlor, acetochlor, clomeprop, bromobutide, benfuresate, indanofan, pyrazolate, benzofenap, pyrazoxyfen, pyraclonil, oxaziclomefone, bensulfuron-Me, azimsulfuron, imazosulfuron, pyrazosulfuron-Et, cyclosulfamuron, ethoxysulfuron, halosulfuron-Me, orthosulfamuron, cinosulfuron, metsulfuron-Me, penoxsulam, thiobencarb, pyributicarb, molinate, dimethametryn, simetryn, cafenstrole, quinclorac, anilofos, mefenacet, fentrazamide, pentoxazone, oxadiargyl, oxadiazon, benzobicyclon, mesotrione, AVH301, cyhalofop-Bu, metamifop, bispyribac-sodium, pyriftalid, pyrimisulfan, pyrimenobac-Me, chlormethoxynil, oxyfluorfen, dithiopyr, MCPA, MCPB, 2,4-D, dymron, cumyluron, quinoclamine and clomazone, and/or one or more safeners, i.e. dymron, isoxadifen-Et, flurazole, fenchlorazole-Et, fenclorim, cloquintocet-mexyl, oxabetrinil, fluxofenim, mefenpyr-diethyl, furilazole, R-29148, benoxacor, dichlormid and dicyclonon.

L2 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:635417 CAPLUS
DOCUMENT NUMBER: 147:228659

Case 10509635

TITLE: Hapten syntheses and antibody generation for a new herbicide, metamifop
AUTHOR(S): Moon, Joon-Kwan; Keum, Young-Soo; Hwang, Eul-Cheol; Park, Byeoung-Soo; Chang, Hee-Ra; Li, Qing X.; Kim, Jeong-Han
CORPORATE SOURCE: School of Agricultural Biotechnology, Seoul National University, Seoul, 151-921, S. Korea
SOURCE: Journal of Agricultural and Food Chemistry (2007), 55(14), 5416-5422
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB To develop a competitive indirect ELISA for metamifop, a new aryloxyphenoxypropionic acid herbicide, three structurally related haptens were synthesized. Hapten conjugates to keyhole limpet hemocyanin and bovine serum albumin were used as immunogens and plate-coating antigens, resp. Various sets of polyclonal antibodies from rabbits and the coating antigens were screened for the assay in simple homologous and heterologous ELISA formats. A selected heterologous ELISA was optimized to show an average IC50 value as low as 20.1 ng/mL, detection ranges of 1.0-350 ng/mL, and a lowest detection limit of 0.1 ng/mL. The cross-reactivities of other aryloxyphenoxypropionic acid herbicides to the antibodies were less than 0.5% in the assays except fenoxaprop-P and fenoxaprop-P Et, having a diaryl ether group identical to that of metamifop. Mol. modeling studies revealed that the physicochem. properties of the diaryl ether group are the most important determinants of sensitivity and selectivity. The results strongly indicate that the selected set of ELISA is a highly sensitive and convenient tool for detecting metamifop.

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:510066 CAPLUS
DOCUMENT NUMBER: 146:495079
TITLE: An aryloxyalkanoate dioxygenase from Delftia conferring resistance to auxin and pyridyloxyacetate herbicides and its uses
INVENTOR(S): Wright, Terry R.; Lira, Justin M.; Walsh, Terence Anthony; Merlo, Donald J.; Jayakumar, Pon Samuel; Lin, Gaofeng
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 164pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007053482	A2	20070510	WO 2006-US42133	20061027

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.: US 2005-731044P P 20051028
AB A novel enzyme from Delftia acidovorans that uses 2,4-D and pyridyloxyacetate herbicides as substrates and that can confer plant resistance to these herbicides is identified. The gene is cloned for use in the development of plants resistant to these herbicides. Plants can be made resistant to a wide variety of herbicides by using this gene in combination with one or more other herbicide resistance genes. Use of combinations of herbicide resistance genes can allow the use of complex patterns of herbicides for more effective weed control with a reduced risk of developing herbicide resistance. Cloning of the gene, characterization of the enzyme, and use of a codon-optimized synthetic gene to confer herbicide resistance in Arabidopsis thaliana are demonstrated.

L2 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:462031 CAPLUS
DOCUMENT NUMBER: 146:416740
TITLE: Herbicide compositions containing pyrazolesulfonylureas
INVENTOR(S): Saeki, Manabu
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 111pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007046440	A1	20070426	WO 2006-JP320777	20061018

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
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PRIORITY APPLN. INFO.: JP 2005-303144 A 20051018
JP 2005-311700 A 20051026

OTHER SOURCE(S): MARPAT 146:416740
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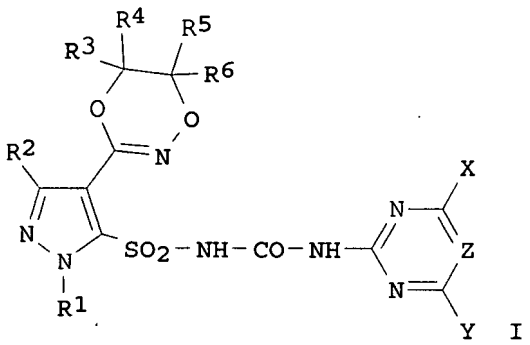

I

AB A herbicide composition useful in rice cultivation contains both I (R1 = C1-3 (halo)alkyl, alkoxyalkyl, Ph, pyridyl; R2 = H, C1-3 (halo)alkyl or alkoxy, halo; R3-R6 = H, (halo)alkyl, etc.; X, Y = C1-3 (halo)alkyl or (halo)alkoxy, halo, dialkylamino; Z = N, CH) and ≥1 compound selected from among dymron, dimepiperate, and esprocarb; a weeding method comprises applying I and ≥1 compound selected from dymron, dimepiperate, and esprocarb either simultaneously or at different times. Herbicide compns. also may contain I and ≥1 other compound such as cinosulfuron, benthiocarb, etc. Thus, I (R1 = Me, R2 = Cl, R3 = Me, R4-R6 = H, X, Y = MeO, Z = CH) at 0.5 g/are was ineffective against Scirpus juncoides, but when the same compound was applied in combination with cafenstrole (2.5 g/are), weed control was ≥90%.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:435732 CAPLUS
DOCUMENT NUMBER: 146:416737
TITLE: Safened herbicidal compositions based on 3-phenyluracils and N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide
INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 49pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007042447	A2	20070419	WO 2006-EP67061	20061005

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

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PRIORITY APPLN. INFO.: EP 2005-22222 A 20051012
OTHER SOURCE(S): MARPAT 146:416737
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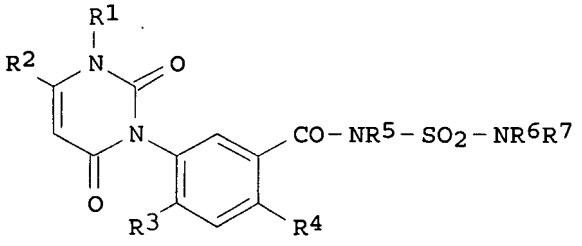

I

AB The invention is related to safened herbicidal compns. comprising the 3-phenyluracils I (R1 = Me or NH2; R2 = C1-2 haloakalkyl; R3 = H or halo; R4 = halo or CN; R5 = H or alkyl; R6, R7 = H, alkyl alkoxy, etc.) or their salts, N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxy-benzamide safener or its salts, and optionally any of a very large number of known herbicides.

L2 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:349230 CAPLUS
DOCUMENT NUMBER: 146:332492
TITLE: A bacterial gene for an aryloxyalkanoate dioxygenase conferring resistance to phenoxy auxin and aryloxyphenoxypropionate herbicides
INVENTOR(S): Wright, Terry R.; Lira, Justin M.; Merlo, Donald J.; Hopkins, Nicole
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 215pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005107437	A2	20051117	WO 2005-US14737	20050502
WO 2005107437	A3	20060615		
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AU 2005240045	A1	20051117	AU 2005-240045	20050502
CA 2563206	A1	20051117	CA 2005-2563206	20050502
EP 1740039	A2	20070110	EP 2005-771746	20050502
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
CN 1984558	A	20070620	CN 2005-80022066	20050502
BR 2005009460	A	20070904	BR 2005-9460	20050502
PRIORITY APPLN. INFO.:			US 2004-567052P P	20040430
			WO 2005-US14737 W	20050502

AB Genes for a novel enzyme, a aryloxyalkanoate dioxygenase, that can make a plant resistant to 2,4-D and other phenoxy auxin herbicides, and to aryloxyphenoxypropionate herbicides. Heretofore, there was no expectation or suggestion that a plant with both of these advantageous properties could be produced by the introduction of a single gene. The subject invention also includes plants that produce one or more enzymes of the subject invention alone or "stacked" together with another herbicide resistance gene, preferably a glyphosate resistance gene, so as to provide broader and more robust weed control, increased treatment flexibility, and improved herbicide resistance management options. More specifically, preferred enzymes and genes for use according to the subject invention are referred to herein as AAD (aryloxyalkanoate dioxygenase) genes and proteins. No α-ketoglutarate-dependent dioxygenase enzyme has

previously been reported to have the ability to degrade herbicides of different chemical classes and modes of action. This highly novel discovery is the basis of significant herbicide tolerant crop trait opportunities as well as development of selectable marker technol. The subject invention also includes related methods of controlling weeds. The subject invention enables novel combinations of herbicides to be used in new ways. Furthermore, the subject invention provides novel methods of preventing the formation of, and controlling, weeds that are resistant (or naturally more tolerant) to one or more herbicides such as glyphosate. Characterization of the aryloxyalkanoate dioxygenase encoded by the rdpA gene Ralstonia eutropha is reported. Expression of a codon-optimized synthetic gene for the enzyme in Arabidopsis thaliana resulted in increased resistance to phenoxyauxin herbicides.

L2 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:605362 CAPLUS
DOCUMENT NUMBER: 145:41539
TITLE: Synergistic herbicidal compositions comprising sulfonamide derivatives
INVENTOR(S): Kim, Do Soon; Lee, Jong Nam; Hwang, Ki Hwan; Koo, Suk Jin
PATENT ASSIGNEE(S): LG Life Sciences Ltd., S. Korea
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006065094	A1	20060622	WO 2005-KR4337	20051216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
KR 2006069304	A	20060621	KR 2005-124018	20051215
PRIORITY APPLN. INFO.:			KR 2004-107653 A	20041217

AB The invention relates to synergistic herbicidal compns. comprising N-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-[2-fluoro- 1 -(methoxymethylcarbony loxy)propyl]-3-pyridinesulfonamide (flucetosulfuron) or N-[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl]-2-[2-fluoro-1-(hydroxy)propyl]-3-pyridinesulfonamide and other known herbicides. The herbicidal compns. of the invention have high efficacy against major weeds, and can reduce the use amount of active ingredients per unit area, due to the synergistic effect by mixing two herbicidal active ingredient having different physiol. functions or different herbicidal activities.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1075576 CAPLUS
DOCUMENT NUMBER: 143:320601
TITLE: Herbicide compositions comprising sulfonylurea

Case 10509635

derivatives

INVENTOR(S): Hills, Martin; Kraehmer, Hansjoerg; Hacker, Erwin; Trabold, Klaus; Feucht, Dieter; Dietrich, Hansjoerg; Waldraff, Christian; Mueller, Klaus-Helmut; Philipp, Ulrich

PATENT ASSIGNEE(S): Bayer Cropscience G.m.b.H., Germany

SOURCE: PCT Int. Appl., 208 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092105	A1	20051006	WO 2005-EP2674	20050312
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005226872	A1	20051006	AU 2005-226872	20050312
CA 2560913	A1	20051006	CA 2005-2560913	20050312
EP 1732392	A1	20061220	EP 2005-735556	20050312
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
CN 1937923	A	20070328	CN 2005-80009788	20050312
BR 2005009244	A	20070904	BR 2005-9244	20050312
US 2005250647	A1	20051110	US 2005-90374	20050325
MX 2006PA11024	A	20061116	MX 2006-PA11024	20060926
IN 2006CN03531	A	20070615	IN 2006-CN3531	20060926
KR 2007003981	A	20070105	KR 2006-720035	20060927
PRIORITY APPLN. INFO.:			DE 2004-102004015140A	20040327
			DE 2004-102004031347A	20040630
			DE 2004-102004031345A	20040630
			WO 2005-EP2674 W	20050312

OTHER SOURCE(S): MARPAT 143:320601

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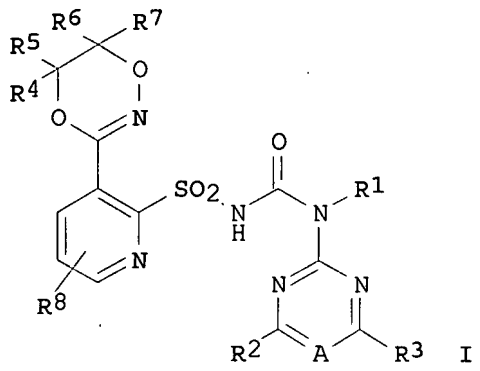

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Case 10509635

AB Herbicide compns. comprise a sulfonylurea derivative I [A = N, CH, etc.; R1 = H, (un)substituted (cyclo)alkyl, alkoxy, alkoxyalkyl, alkenyl, aryl, etc.; R2, R3 = H, halo, (un)substituted alkyl, alkoxy, alkylthio or (di)alkylamino; R4-7 = H, halo, cyano, thiocyanato, (halo)alkyl, (halo)alkoxy, etc.; R8 = h, halo, cyano, thiocyanato, (halo)alkyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfinyl, (halo)alkylsulfonyl, etc.] and any of a very large number of known herbicides. The compns. are especially useful for weed control in legumes, such as soybean.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:492462 CAPLUS
DOCUMENT NUMBER: 143:2633
TITLE: Synergistic herbicide compositions containing isoxazolines
INVENTOR(S): Fujinami, Makoto; Ueno, Ryohei; Yamaji, Michihiro; Asakura, Sohei; Ono, Shuji; Takahashi, Satoru; Nakaya, Masahisa; Ito, Minoru
PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 2005145958	A	20050609	JP 2004-304568		20041019
PRIORITY APPLN. INFO.:			JP 2003-358710	A	20031020

OTHER SOURCE(S): MARPAT 143:2633
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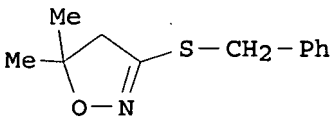

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AB Compns. with superior herbicidal effect and selectivity between crops and weeds contain isoxazolines such as I and ≥1 other herbicide selected from sulfonylurea, pyrimidinylcarboxylic acid, allyloxyphenoxypropionic acid, triazine, di-Ph ether, oxadiazole, pyrazole, bicyclooctane, amino acid, organic phosphorus, and acid amide herbicides, etc. Thus, I + bensulfuron Me at 20 + 1 g/10 are gave 100% control of Echinochloa oryzicola and Scirpus juncoides without damage to rice.

L2 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:140 CAPLUS
DOCUMENT NUMBER: 142:387529
TITLE: Metamifop: a new post-emergence grass killing herbicide for use in rice
AUTHOR(S): Zeng, Zhongwu; Jiang, Yajun
CORPORATE SOURCE: Zhejiang Heben Pesticide & Chemicals Co., Ltd, Wenzhou, 325000, Peop. Rep. China
SOURCE: Nongyao (2004), 43(7), 327-328
CODEN: NONGFP; ISSN: 1006-0413
PUBLISHER: Nongyao Bianjibu

DOCUMENT TYPE: Journal; General Review
LANGUAGE: Chinese
AB A review. The physiochem. properties, toxicity, formulation, action mechanism, patent, application, and synthesis of metamifop are summarized.

L2 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:498943 CAPLUS
DOCUMENT NUMBER: 141:238182
TITLE: Metamifop: mechanism of herbicidal activity and selectivity in rice and barnyardgrass
AUTHOR(S): Kim, T. J.; Chang, H. S.; Kim, J. S.; Hwang, I. T.; Hong, K. S.; Kim, D. W.; Cho, K. Y.; Myung, E. J.; Chung, B. J.
CORPORATE SOURCE: Korea Research Institute of Chemical Technology, Daejeon, 305-600, S. Korea
SOURCE: Congress Proceedings - BCPC International Congress: Crop Science & Technology, Glasgow, United Kingdom, Nov. 10-12, 2003 (2003), Volume 2, 833-838. British Crop Protection Council: Bracknell, UK.
CODEN: 69FNH6; ISBN: 1-901396-63-0
DOCUMENT TYPE: Conference
LANGUAGE: English
AB Metamifop (coded DBH129, ISO proposed) is a new aryloxyphenoxypropionate (AOPP) post-emergence herbicide. One of the most outstanding features of metamifop is that it shows an exclusive whole plant safety to rice with a high control efficacy to annual grass weeds, especially barnyardgrass. To determine the reason for the selectivity of metamifop, ACCase sensitivity, absorption and translocation of [14C] metamifop in both rice (tolerant) and barnyardgrass (susceptible) were examined The I50 values for inhibition of ACCase by metamifop was >10 μM in rice and 0.5 μM in barnyardgrass. This differential sensitivity is consistent with whole plant sensitivity under greenhouse conditions. More [14C] metamifop was absorbed through the leaf surface in barnyardgrass than in rice, with about 83% and 56% of the total applied [14C] penetrating 72 h after application resp. Translocation was not significantly different between the two species. Thus, the selectivity of metamifop between rice and barnyardgrass could be due to both differential foliar absorption rate and differential ACCase sensitivity.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:496083 CAPLUS
DOCUMENT NUMBER: 141:201665
TITLE: Metamifop: a new post-emergence grass killing herbicide for use in rice
AUTHOR(S): Kim, T. J.; Chang, H. S.; Ryu, J. W.; Ko, Y. K.; Kim, D. W.; Cho, K. Y.; Park, C. H.; Kwon, O. Y.; Chung, B. J.
CORPORATE SOURCE: Korea Research Institute of Chemical Technology, Daejeon, 305-600, S. Korea
SOURCE: Congress Proceedings - BCPC International Congress: Crop Science & Technology, Glasgow, United Kingdom, Nov. 10-12, 2003 (2003), Volume 1, 81-86. British Crop Protection Council: Bracknell, UK.
CODEN: 69FNH6; ISBN: 1-901396-63-0
DOCUMENT TYPE: Conference
LANGUAGE: English
AB Metamifop [DBH-129, (R)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]-2'-fluoro-N-methylpropionanilide] is a new aryloxyphenoxypropionate (AOPP) herbicide being developed by Dongbu Hannong Chemical Co Ltd, Korea. Like other AOPPs, metamifop provides excellent control on a wide range of

annual grass weeds. However, unlike other AOPPs, it shows robust safety on rice. Applied post-emergence in paddy and direct-seeded rice cultivation, metamifop at the rates of 90-200 g a.i./ha gives excellent control of the major grass weeds including Echinochloa spp., Leptochloa chinensis, Digitaria spp. and Eleusine indica. Diverse field trials have been conducted globally to register metamifop both as 3.3-10% EC and as 0.67-1.6% GR formulation for rice cultivation in Asia regions, including Korea and Japan. Metamifop has a favorable toxicol., ecotoxicol., and environmental profile.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:451733 CAPLUS
DOCUMENT NUMBER: 140:419320
TITLE: Synergistic herbicidal compositions
INVENTOR(S): Kotzian, Georg Ruediger
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045284	A2	20040603	WO 2003-EP13017	20031120
WO 2004045284	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003288133	A1	20040615	AU 2003-288133	20031120
BR 2003016456	A	20051011	BR 2003-16456	20031120
CN 1713820	A	20051228	CN 2003-80103778	20031120
JP 2006507331	T	20060302	JP 2004-552674	20031120
US 2006063677	A1	20060323	US 2005-535685	20050519
PRIORITY APPLN. INFO.:			CH 2002-1956 A	20021121
			WO 2003-EP13017 W	20031120

AB A herbicidal composition comprises a mixture of (a) metamifop, and (b) a synergistically effective amount of at least one compound selected from mesotrione, sulcotrione, isoxaflutole, pyrazoxyfen, pyrazolynate, benzofenap, sulfentrazone, pyraflufen-Et, beflubutamid, cafenstrole, dimethametryn, clomeprop, prometryn, cinosulfuron, triasulfuron, prosulfuron, imazosulfuron, ethoxysulfuron, sulfosulfuron, iodosulfuron, tritosulfuron, mesosulfuron, trifloxysulfuron, benzobicyclon, acetochlor, metolachlor, S-metolachlor, pyraclonil and N-[(4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]-2-(2-fluoro-1-methoxy-acetoxy-n-propyl)pyridine-3-sulfonamide, (bentazone and trifloxysulfuron), (bentazone and ethoxysulfuron), (bentazone and mesolsulfuron), (bentazone and N-[(4,6-dimethoxyprimidin-2-yl)aminocarbonyl]-2-(2-fluoro-1-methoxy-acetoxy-n-propyl)pyridine-3-sulfonamide), (simetryn and cinosulfuron), (simetryn and triasulfuron), (simetryn and prosulfuron), (simetryn and trifloxysulfuron), (simetryn and imazosulfuron), (simetryn and ethoxysulfuron), (simetryn and sulfosulfuron), (simetryn and iodosulfuron), (simetryn and mesosulfuron), (simetryn and tritosulfuron),

(simetryn, and N-[(4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]-2-(2-fluoro-1-methoxy-acetoxy-n-propyl)pyridine-3-sulfonamide) and (clodinafop and 2,4-D), the two-component mixture of metamifop with benzobicyclon being excluded.

L2 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:796393 CAPLUS
DOCUMENT NUMBER: 139:272374
TITLE: Synergistic selective herbicidal composition comprising phenylpropynyloxypyridine derivatives
INVENTOR(S): Schaetzer, Juergen; Wenger, Jean; Hall, Roger Graham; Nebel, Kurt; Hole, Stephen; Stoller, Andre
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003082012	A1	20031009	WO 2003-EP3471	20030402
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003224032	A1	20031013	AU 2003-224032	20030402
EP 1492405	A1	20050105	EP 2003-720414	20030402
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008973	A	20050118	BR 2003-8973	20030402
JP 2005521702	T	20050721	JP 2003-579566	20030402
US 2005227871	A1	20051013	US 2005-510224	20050429

PRIORITY APPLN. INFO.: CH 2002-559 A 20020403
WO 2003-EP3471 W 20030402

OTHER SOURCE(S): MARPAT 139:272374
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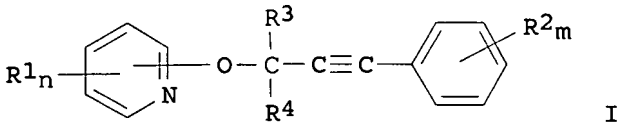

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AB The title compns. comprise a phenylpropynyloxypyridine derivative I [R1 = halo, CN, SCN, SF5, NO2, etc.; R2 = (un)substituted alkyl, alkenyl, alkynyl, etc.; R3, R4 = H, halo, CN, alkyl or alkoxy; R3R4 = alkylene; n = 0, 1-4; m 0, 1-5] or a I salt and a coherbicide. The compns. may also comprise a safener.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

Case 10509635

ACCESSION NUMBER: 2003:490954 CAPLUS
DOCUMENT NUMBER: 139:64821
TITLE: Safened synergistic herbicidal compositions based on 7-pyrazolylbenzoxazoles
INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd; Schoefl, Ulrich; Westphalen, Karl-Otto; Watanabe, Akihide; Landes, Max; Landes, Andreas; Witschel, Matthias
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003051122	A1	20030626	WO 2002-EP14485	20021218
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2469634	A1	20030626	CA 2002-2469634	20021218
AU 2002358753	A1	20030630	AU 2002-358753	20021218
EP 1458237	A1	20040922	EP 2002-793065	20021218
EP 1458237	B1	20060412		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002015032	A	20041103	BR 2002-15032	20021218
HU 200402525	A2	20050329	HU 2004-2525	20021218
CN 1606407	A	20050413	CN 2002-825552	20021218
JP 2005511758	T	20050428	JP 2003-552061	20021218
AT 322822	T	20060415	AT 2002-793065	20021218
ES 2259730	T3	20061016	ES 2002-2793065	20021218
MX 2004PA05560	A	20041206	MX 2004-PA5560	20040609
IN 2004CN01333	A	20070817	IN 2004-CN1333	20040616
US 2005037923	A1	20050217	US 2004-499669	20040621
ZA 2004005692	A	20050718	ZA 2004-5692	20040716
PRIORITY APPLN. INFO.:			US 2001-340954P P	20011219
			WO 2002-EP14485 W	20021218

OTHER SOURCE(S): MARPAT 139:64821
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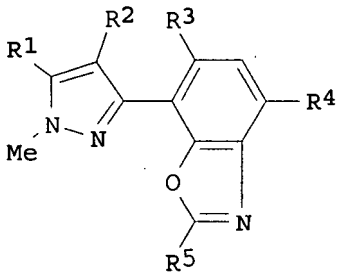

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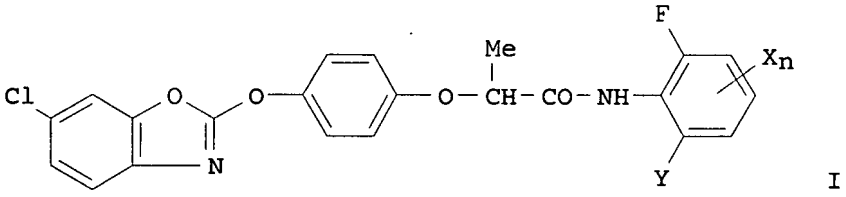
Case 10509635

AB Safened synergistic herbicidal compns. comprise at least one 7-pyrazolylbenzoxazole derivative I [R1 = difuoromethoxy, trifluoromethoxy or methylsulfonyl; R2 = halo; R3 = H or halo; R4 = halo or CN; R5 = H, alkyl, haloalkyl, (un)substituted alkenyl, alkynyl, Ph or cycloalkyl, etc.] and any of a very large number of known herbicides and safeners.
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:396429 CAPLUS
DOCUMENT NUMBER: 138:364189
TITLE: Preparation of herbicidal benzoxazolyloxyphenoxypropionic acid fluorophenyl amide derivatives
INVENTOR(S): Kim, Dae Whang; Chang, Hae Sung; Ko, Young Kwan; Ryu, Jae Wook; Woo, Jae Chun; Koo, Dong Wan; Kim, Jin Seog
PATENT ASSIGNEE(S): Dongbu Hannong Chemical Co., Ltd., S. Korea
SOURCE: U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 744,450.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003096706	A1	20030522	US 2002-206984	20020730
US 6600048	B2	20030729		
US 6486098	B1	20021126	US 2001-744450	20010220
PRIORITY APPLN. INFO.:			KR 1998-30015 A	19980725
			US 2001-744450 A2	20010220
			WO 1999-KR401 W	19990724

OTHER SOURCE(S): MARPAT 138:364189
GI



I

AB The title compds. I (R = Me or Et; X = H, halo, cyano, alkyl, alkoxy, haloalkyl, Ph, PhO, etc.; Y = H or F; n= 1 or 2) are prepared as herbicides. I are especially suitable for barnyard grass control in rice.

L2 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:242099 CAPLUS
DOCUMENT NUMBER: 138:267187
TITLE: Synergistic herbicidal compositions for rice
INVENTOR(S): Kotzian, Georg Ruediger
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

Case 10509635

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024224	A2	20030327	WO 2002-EP10542	20020919
WO 2003024224	A3	20031204		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002340918	A1	20030401	AU 2002-340918	20020919
JP 2005502717	T	20050127	JP 2003-528128	20020919
PRIORITY APPLN. INFO.:			CH 2001-1734	A 20010920
			WO 2002-EP10542	W 20020919

AB A synergistic herbicidal composition for rice comprises as an active ingredient a mixture of at least two compds. selected from the group of oxadiargyl, oxadiazon, fentrazamide, ethoxysulfuron, quinclorac, pyrazolate, amicarbazone, bromobutide, carfentrazone (-ethyl), pyrazolate, pyraflufen (-ethyl), sulfentrazone, tepraloxydim, clodinafop-propargyl, pretilachlor, butachlor, oxaziclomefone, fentrazamide, benzobicyclon, molinate, quinclorac, bentazone, pyrazolynate, pentoxazone, metamifop, cinosulfuron, imazosulfuron, pyrazosulfuron (-ethyl), azimsulfuron, bensulfuron (-methyl), triasulfuron, prosulfuron, halosulfuron (-methyl), sulfometuron (-methyl), sulfosulfuron, chlorimuron (-ethyl), cyclosulfamuron, tritosulfuron and iodosulfuron.

L2 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:242096 CAPLUS
DOCUMENT NUMBER: 138:267186
TITLE: Herbicidal mixtures based on 3-phenyluracils
INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd; Quakenbush, Laura; Evans, Richard R.; Landes, Max; Newsom, Larry J.; Ortlip, Charles L.; Witschel, Matthias; Landes, Andreas
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024221	A1	20030327	WO 2002-EP10136	20020910
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2460088	A1	20030327	CA 2002-2460088	20020910

Case 10509635

AU 2002342671	A1	20030401	AU 2002-342671		20020910
EP 1429609	A1	20040623	EP 2002-779329		20020910
EP 1429609	B1	20070307			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
BR 2002012460	A	20041019	BR 2002-12460		20020910
CN 1555219	A	20041215	CN 2002-817977		20020910
JP 2005502715	T	20050127	JP 2003-528125		20020910
HU 200402256	A2	20050329	HU 2004-2256		20020910
NZ 531486	A	20050826	NZ 2002-531486		20020910
AT 355747	T	20070315	AT 2002-779329		20020910
TW 252078	B	20060401	TW 2002-91120878		20020912
MX 2004PA02087	A	20040607	MX 2004-PA2087		20040304
US 2004235665	A1	20041125	US 2004-488977		20040309
NO 2004001031	A	20040311	NO 2004-1031		20040311
IN 2004CN00546	A	20051223	IN 2004-CN546		20040312
ZA 2004002791	A	20050413	ZA 2004-2791		20040413
PRIORITY APPLN. INFO.:			US 2001-318834P	P	20010914
			US 2001-333135P	P	20011127
			WO 2002-EP10136	W	20020910

OTHER SOURCE(S): MARPAT 138:267186

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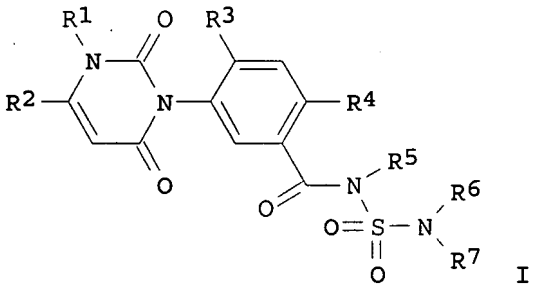

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AB Herbidically active compns., comprise: (A) at least one phenyluracil compound I (R1 = Me, or NH2; R2 = C1-C2-haloalkyl; R3 = H, or halo; R4 = halo, or cyano; R5 = H, cyano, C1-C6-alkyl, C1-C6-alkoxy, C1-C4-alkoxy-C1-C4-alkyl, C3-C7-cycloalkyl, C3-C6-alkenyl, C3-C6-alkynyl, or (un)substituted benzyl; R6, R7 = H, (un)substituted C1-C6-alkyl, C1-C6-alkoxy, C3-C6-alkenyl, C3-C6-alkynyl, C3-C7-cycloalkyl, C3-C7-cycloalkenyl, Ph or benzyl) and/or at least one of its agriculturally acceptable salts; and at least one further active compound, selected from (B) herbicides of classes (b1) to (b15): (b1) lipid biosynthesis inhibitors; (b2) acetolactate synthase inhibitors (ALS inhibitors); (b3) photosynthesis inhibitors; (b4) protoporphyrinogen-IX oxidase inhibitors; (b5) bleacher herbicides; (b6) enolpyruvyl shikimate 3-phosphate synthase inhibitors (EPSP inhibitors); (b7) glutamine synthetase inhibitors; (b8) 7,8-dihydropteroate synthase inhibitors (DHP inhibitors); (b9) mitosis inhibitors; (b10) inhibitors of the synthesis of very long chain fatty acids (VLCFA inhibitors); (b11) cellulose biosynthesis inhibitors; (b12) decoupler herbicides; (b13) auxin herbicides; (b14) auxin transport inhibitors; (b15) other herbicides. The herbicides in (b15) are selected from the group consisting of benzoylprop, flamprop, flamprop-M, bromobutide, chlorflurenol, cinmethylin, methyldymron, etobenzanid, fosamine, metam, pyributicarb, oxaziclomefone, dazomet, triaziflam and Me bromide. The compns. based on 3-phenyluracils I may also include safeners selected from benoxacor, cloquintocet, cyometrinil, dichlormid, dicyclonon, dietholate, fenchlorazole, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen, mefenpyr, mephenate, naphthalic anhydride, 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine,

Case: 10509635

4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane and oxabetrinil, and agriculturally acceptable salts of the active compds.
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:97245 CAPLUS
DOCUMENT NUMBER: 138:149044
TITLE: Synergistic herbicidal compositions
INVENTOR(S): Schaetzer, Juergen; Wenger, Jean; Hall, Roger Graham; Nebel, Kurt; Hole, Stephen
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003009686	A1	20030206	WO 2002-EP8203	20020723
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002325894	A1	20030217	AU 2002-325894	20020723
EP 1408754	A1	20040421	EP 2002-760262	20020723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011397	A	20040817	BR 2002-11397	20020723
JP 2004535471	T	20041125	JP 2003-515088	20020723
US 2004209775	A1	20041021	US 2004-484746	20040121
PRIORITY APPLN. INFO.:			CH 2001-1377 A	20010724
			WO 2002-EP8203 W	20020723

OTHER SOURCE(S): MARPAT 138:149044
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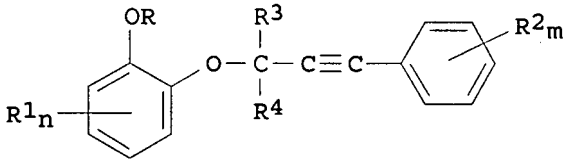

I

AB The title composition comprises I (R H, COR5, etc.; R1 = halo, CN, SCN,, SF5, NO2, etc.; R2 = halo, CN, SCN, SF5, NO2, etc.; R3, R4 = H, halo, CN, alkyl or alkoxy; R3R4 = alkylene; R5 = H, alkyl, haloalkyl or cycloalkyl; n = 0, 1-4; m = 0, 1-5; n+m ≥1) or an I salt, and a synergistically effective amount of one or more known coherbicides. The compns. may addnl. comprise a safener.
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:98210 CAPLUS
DOCUMENT NUMBER: 132:118794
TITLE: Preparation of herbicidal benzoxazolyloxyphenoxypropionamides
INVENTOR(S): Kim, Dae Whang; Chang, Hae Sung; Ko, Young Kwan; Ryu, Jae Wook; Woo, Jae Chun; Koo, Dong Wan; Kim, Jin Seog
PATENT ASSIGNEE(S): Korea Research Institute of Chemical Technology, S. Korea; Hyundai Engineering and Construction Co., Ltd.
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000005956	A1	20000210	WO 1999-KR401	19990724
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RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
KR 2000011943	A	20000225	KR 1999-30067	19990723
TW 561153	B	20031111	TW 1999-88112542	19990723
CA 2338685	A1	20000210	CA 1999-2338685	19990724
CA 2338685	C	20041207		
AU 9950681	A	20000221	AU 1999-50681	19990724
AU 751712	B2	20020822		
EP 1100332	A1	20010523	EP 1999-935133	19990724
EP 1100332	B1	20030416		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9912440	A	20011002	BR 1999-12440	19990724
JP 2002521401	T	20020716	JP 2000-561823	19990724
JP 3500358	B2	20040223		
AT 237601	T	20030515	AT 1999-935133	19990724
ES 2198141	T3	20040116	ES 1999-935133	19990724
IN 2001DN00049	A	20050311	IN 2001-DN49	20010122
US 6486098	B1	20021126	US 2001-744450	20010220

PRIORITY APPLN. INFO.: KR 1998-30015 A 19980725
WO 1999-KR401 W 19990724

OTHER SOURCE(S): CASREACT 132:118794; MARPAT 132:118794

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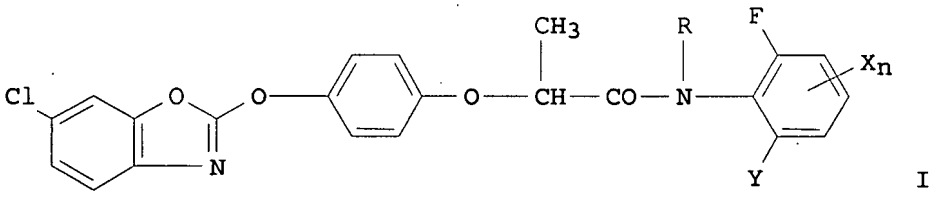

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AB Herbicidal phenoxypropionic acid N-alkyl-N-2-fluorophenyl amides I [R = Me or Et; X = H, halo, cyano, C1-6 alkyl, C1-6 alkoxy, C1-3 haloalkyl, etc.; Y = H or F; n = 1 or 2] are prepared I are especially suitable for control of barnyard grass in rice.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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Case 10509635

=> FIL STNGUIDE
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                      60.36      68.37

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  4. End with /Q for a query (search profile,
     structure, or screen set), /A for an answer
     set, or /L for an L-number list.
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FULL ESTIMATED COST                                       0.90      69.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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Case 10509635

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 NEWS  1           Web Page for STN Seminar Schedule - N. America
 NEWS  2  JUL 02   LMEDLINE coverage updated
 NEWS  3  JUL 02   SCISEARCH enhanced with complete author names
 NEWS  4  JUL 02   CHEMCATS accession numbers revised
 NEWS  5  JUL 02   CA/CAplus enhanced with utility model patents from China
 NEWS  6  JUL 16   CAplus enhanced with French and German abstracts
 NEWS  7  JUL 18   CA/CAplus patent coverage enhanced
 NEWS  8  JUL 26   USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS  9  JUL 30   USGENE now available on STN
 NEWS 10  AUG 06   CAS REGISTRY enhanced with new experimental property tags
 NEWS 11  AUG 06   BEILSTEIN updated with new compounds
 NEWS 12  AUG 06   FSTA enhanced with new thesaurus edition
 NEWS 13  AUG 13   CA/CAplus enhanced with additional kind codes for granted
                   patents
 NEWS 14  AUG 20   CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS 15  AUG 27   Full-text patent databases enhanced with predefined
                   patent family display formats from INPADOCDB
 NEWS 16  AUG 27   USPATOLD now available on STN
 NEWS 17  AUG 28   CAS REGISTRY enhanced with additional experimental
                   spectral property data
 NEWS 18  SEP 07   STN AnaVist, Version 2.0, now available with Derwent
                   World Patents Index
 NEWS 19  SEP 13   FORIS renamed to SOFIS
 NEWS 20  SEP 13   INPADOCDB enhanced with monthly SDI frequency
 NEWS 21  SEP 17   CA/CAplus enhanced with printed CA page images from
                   1967-1998
 NEWS 22  SEP 17   CAplus coverage extended to include traditional medicine
                   patents
 NEWS 23  SEP 24   EMBASE, EMBAL, and LEMBASE reloaded with enhancements

 NEWS EXPRESS  19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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Case 10509635

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FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

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=> file registry

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FULL ESTIMATED COST	0.47	0.68

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DICTIONARY FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

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http://www.cas.org/support/stngen/stndoc/properties.html

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Case 10509635

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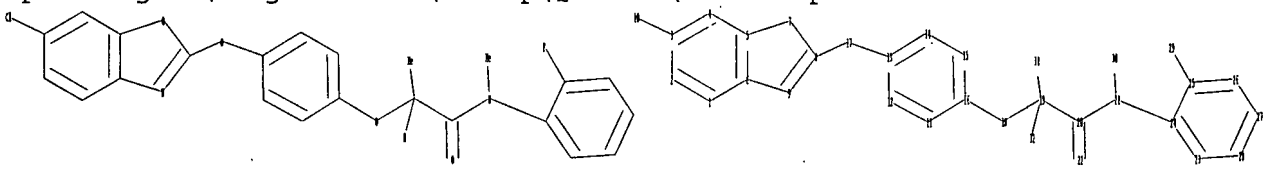

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ring bonds :
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exact/norm bonds :
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exact bonds :
3-10 19-20 19-31 19-32 21-30 25-29
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 23-24
23-28 24-25 25-26 26-27 27-28

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:CLASS 30:CLASS 31:CLASS 32:CLASS

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d L2
L2 HAS NO ANSWERS
L2 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s L2 EXA SAM
SAMPLE SEARCH INITIATED 07:58:15 FILE 'REGISTRY'

Case 10509635

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA EXA SAM L2

=> S L2 SSS SAM
SAMPLE SEARCH INITIATED 07:58:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 1 TO 80

L5 1 SEA SSS SAM L2

=> S L2 SSS Full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 07:59:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 106 TO ITERATE

100.0% PROCESSED 106 ITERATIONS 68 ANSWERS
SEARCH TIME: 00.00.01

L6 68 SEA SSS FUL L2

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 173.90 174.58

FILE 'CAPLUS' ENTERED AT 07:59:16 ON 27 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14
FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

Case 10509635

http://www.cas.org/infopolicy.html

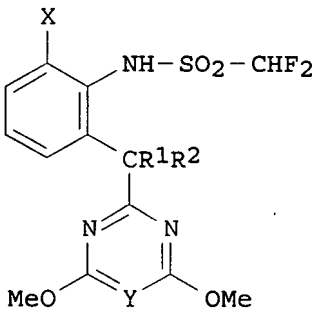
=> s l6
L7 24 L6

=> d L7 1-6 IBIB ABS

L7 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:793455 CAPLUS
DOCUMENT NUMBER: 147:159919
TITLE: Safened synergistic herbicide composition for paddy containing difluoromethanesulfonamide derivatives
INVENTOR(S): Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin; Minegishi, Natsuko
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: PCT Int. Appl., 27pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007079965	A2	20070719	WO 2006-EP12502	20061222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007186460	A	20070726	JP 2006-6422	20060113
US 2007167328	A1	20070719	US 2007-622514	20070112
PRIORITY APPLN. INFO.:			JP 2006-6422 A	20060113

OTHER SOURCE(S): MARPAT 147:159919
GI



I

AB A synergistic herbicide composition for paddy contains a difluoromethanesulfonamide derivative I (X = halo; Y = CH or N; R1 = H; R2 = H or OH; CR1R2 = C:O) and at least one herbicidal compound selected from pretilachlor, butachlor, alachlor, metolachlor, acetochlor, clomeprop,

bromobutide, benfuresate, indanofan, pyrazolate, benzofenap, pyrazoxyfen, pyraclonil, oxaziclomefone, bensulfuron-Me, azimsulfuron, imazosulfuron, pyrazosulfuron-Et, cyclosulfamuron, ethoxysulfuron, halosulfuron-Me, orthosulfamuron, cinosulfuron, metsulfuron-Me, penoxsulam, thiobencarb, pyributicarb, molinate, dimethametryn, simetryn, cafenstrole, quinclorac, anilofos, mefenacet, fentrazamide, pentoxazone, oxadiargyl, oxadiazon, benzobicyclon, mesotrione, AVH301, cyhalofop-Bu, metamifop, bispyribac-sodium, pyriftalid, pyrimisulfan, pyrimenobac-Me, chlormethoxynil, oxyfluorfen, dithiopyr, MCPA, MCPB, 2,4-D, dymron, cumyluron, quinoclamine and clomazone, and/or one or more safeners, i.e. dymron, isoxadifen-Et, flurazole, fenchlorazole-Et, fenclorim, cloquintocet-mexyl, oxabetrinil, fluxofenim, mefenpyr-diethyl, furilazole, R-29148, benoxacor, dichlormid and dicyclonon.

L7 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:635417 CAPLUS
DOCUMENT NUMBER: 147:228659
TITLE: Hapten syntheses and antibody generation for a new herbicide, metamifop
AUTHOR(S): Moon, Joon-Kwan; Keum, Young-Soo; Hwang, Eul-Cheol; Park, Byeoung-Soo; Chang, Hee-Ra; Li, Qing X.; Kim, Jeong-Han
CORPORATE SOURCE: School of Agricultural Biotechnology, Seoul National University, Seoul, 151-921, S. Korea
SOURCE: Journal of Agricultural and Food Chemistry (2007), 55(14), 5416-5422
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB To develop a competitive indirect ELISA for metamifop, a new aryloxyphenoxypropionic acid herbicide, three structurally related haptens were synthesized. Hapten conjugates to keyhole limpet hemocyanin and bovine serum albumin were used as immunogens and plate-coating antigens, resp. Various sets of polyclonal antibodies from rabbits and the coating antigens were screened for the assay in simple homologous and heterologous ELISA formats. A selected heterologous ELISA was optimized to show an average IC50 value as low as 20.1 ng/mL, detection ranges of 1.0-350 ng/mL, and a lowest detection limit of 0.1 ng/mL. The cross-reactivities of other aryloxyphenoxypropionic acid herbicides to the antibodies were less than 0.5% in the assays except fenoxaprop-P and fenoxaprop-P Et, having a diaryl ether group identical to that of metamifop. Mol. modeling studies revealed that the physicochem. properties of the diaryl ether group are the most important determinants of sensitivity and selectivity. The results strongly indicate that the selected set of ELISA is a highly sensitive and convenient tool for detecting metamifop.
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:510066 CAPLUS
DOCUMENT NUMBER: 146:495079
TITLE: An aryloxyalkanoate dioxygenase from Delftia conferring resistance to auxin and pyridyloxyacetate herbicides and its uses
INVENTOR(S): Wright, Terry R.; Lira, Justin M.; Walsh, Terence Anthony; Merlo, Donald J.; Jayakumar, Pon Samuel; Lin, Gaofeng
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 164pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

Case 10509635

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007053482	A2	20070510	WO 2006-US42133	20061027

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2005-731044P P 20051028

AB A novel enzyme from Delftia acidovorans that uses 2,4-D and pyridyloxyacetate herbicides as substrates and that can confer plant resistance to these herbicides is identified. The gene is cloned for use in the development of plants resistant to these herbicides. Plants can be made resistant to a wide variety of herbicides by using this gene in combination with one or more other herbicide resistance genes. Use of combinations of herbicide resistance genes can allow the use of complex patterns of herbicides for more effective weed control with a reduced risk of developing herbicide resistance. Cloning of the gene, characterization of the enzyme, and use of a codon-optimized synthetic gene to confer herbicide resistance in Arabidopsis thaliana are demonstrated.

L7 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:462031 CAPLUS
DOCUMENT NUMBER: 146:416740
TITLE: Herbicide compositions containing pyrazolesulfonylureas
INVENTOR(S): Saeki, Manabu
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 111pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007046440	A1	20070426	WO 2006-JP320777	20061018

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: JP 2005-303144 A 20051018
JP 2005-311700 A 20051026

OTHER SOURCE(S): MARPAT 146:416740

Case 10509635

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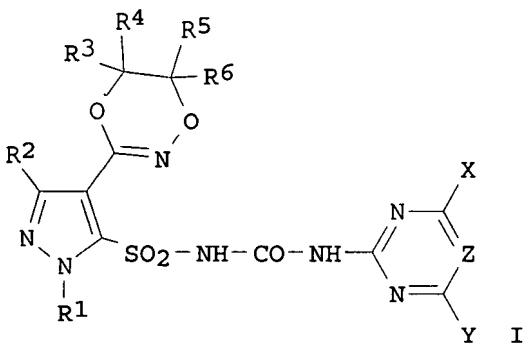


AB A herbicide composition useful in rice cultivation contains both I (R1 = C1-3 (halo)alkyl, alkoxyalkyl, Ph, pyridyl; R2 = H, C1-3 (halo)alkyl or alkoxy, halo; R3-R6 = H, (halo)alkyl, etc.; X, Y = C1-3 (halo)alkyl or (halo)alkoxy, halo, dialkylamino; Z = N, CH) and ≥1 compound selected from among dymron, dimepiperate, and esprocarb; a weeding method comprises applying I and ≥1 compound selected from dymron, dimepiperate, and esprocarb either simultaneously or at different times. Herbicide compns. also may contain I and ≥1 other compound such as cinosulfuron, benthiocarb, etc. Thus, I (R1 = Me, R2 = Cl, R3 = Me, R4-R6 = H, X, Y = MeO, Z = CH) at 0.5 g/are was ineffective against Scirpus juncoides, but when the same compound was applied in combination with cafenstrole (2.5 g/are), weed control was ≥90%.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

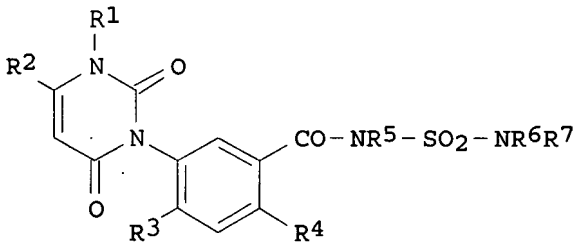
L7 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:435732 CAPLUS
DOCUMENT NUMBER: 146:416737
TITLE: Safened herbicidal compositions based on 3-phenyluracils and N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide
INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 49pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007042447	A2	20070419	WO 2006-EP67061	20061005

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.: EP 2005-22222 A 20051012
OTHER SOURCE(S): MARPAT 146:416737
GI



I

AB The invention is related to safened herbicidal compns. comprising the 3-phenyluracils I (R1 = Me or NH2; R2 = C1-2 haloakalkyl; R3 = H or halo; R4 = halo or CN; R5 = H or alkyl; R6, R7 = H, alkyl alkoxy, etc.) or their salts, N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxy-benzamide safener or its salts, and optionally any of a very large number of known herbicides.

L7 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:349230 CAPLUS
DOCUMENT NUMBER: 146:332492
TITLE: A bacterial gene for an aryloxyalkanoate dioxygenase conferring resistance to phenoxy auxin and aryloxyphenoxypropionate herbicides
INVENTOR(S): Wright, Terry R.; Lira, Justin M.; Merlo, Donald J.; Hopkins, Nicole
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 215pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005107437	A2	20051117	WO 2005-US14737	20050502
WO 2005107437	A3	20060615		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005240045	A1	20051117	AU 2005-240045	20050502
CA 2563206	A1	20051117	CA 2005-2563206	20050502
EP 1740039	A2	20070110	EP 2005-771746	20050502
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				

CN 1984558	A	20070620	CN 2005-80022066	20050502
BR 2005009460	A	20070904	BR 2005-9460	20050502
PRIORITY APPLN. INFO.:			US 2004-567052P	P 20040430
			WO 2005-US14737	W 20050502

AB Genes for a novel enzyme, a aryloxyalkanoate dioxygenase, that can make a plant resistant to 2,4-D and other phenoxy auxin herbicides, and to aryloxyphenoxypropionate herbicides. Heretofore, there was no expectation or suggestion that a plant with both of these advantageous properties could be produced by the introduction of a single gene. The subject invention also includes plants that produce one or more enzymes of the subject invention alone or "stacked" together with another herbicide resistance gene, preferably a glyphosate resistance gene, so as to provide broader and more robust weed control, increased treatment flexibility, and improved herbicide resistance management options. More specifically, preferred enzymes and genes for use according to the subject invention are referred to herein as AAD (aryloxyalkanoate dioxygenase) genes and proteins. No α-ketoglutarate-dependent dioxygenase enzyme has previously been reported to have the ability to degrade herbicides of different chemical classes and modes of action. This highly novel discovery is the basis of significant herbicide tolerant crop trait opportunities as well as development of selectable marker technol. The subject invention also includes related methods of controlling weeds. The subject invention enables novel combinations of herbicides to be used in new ways. Furthermore, the subject invention provides novel methods of preventing the formation of, and controlling, weeds that are resistant (or naturally more tolerant) to one or more herbicides such as glyphosate. Characterization of the aryloxyalkanoate dioxygenase encoded by the rdpA gene Ralstonia eutropha is reported. Expression of a codon-optimized synthetic gene for the enzyme in Arabidopsis thaliana resulted in increased resistance to phenoxyauxin herbicides.

=> d L7 18-24

L7 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:490954 CAPLUS
DN 139:64821
TI Safened synergistic herbicidal compositions based on 7-pyrazolylbenzoxazoles
IN Zagar, Cyrill; Sievernich, Bernd; Schoefl, Ulrich; Westphalen, Karl-Otto; Watanabe, Akihide; Landes, Max; Landes, Andreas; Witschel, Matthias
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003051122	A1	20030626	WO 2002-EP14485	20021218
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2469634	A1	20030626	CA 2002-2469634	20021218
AU 2002358753	A1	20030630	AU 2002-358753	20021218
EP 1458237	A1	20040922	EP 2002-793065	20021218

	EP 1458237	B1	20060412		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002015032	A	20041103	BR 2002-15032	20021218
	HU 200402525	A2	20050329	HU 2004-2525	20021218
	CN 1606407	A	20050413	CN 2002-825552	20021218
	JP 2005511758	T	20050428	JP 2003-552061	20021218
	AT 322822	T	20060415	AT 2002-793065	20021218
	ES 2259730	T3	20061016	ES 2002-2793065	20021218
	MX 2004PA05560	A	20041206	MX 2004-PA5560	20040609
	IN 2004CN01333	A	20070817	IN 2004-CN1333	20040616
	US 2005037923	A1	20050217	US 2004-499669	20040621
	ZA 2004005692	A	20050718	ZA 2004-5692	20040716
PRAI	US 2001-340954P	P	20011219		
	WO 2002-EP14485	W	20021218		

OS MARPAT 139:64821
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:396429 CAPLUS
DN 138:364189
TI Preparation of herbicidal benzoxazolyloxyphenoxypropionic acid fluorophenyl amide derivatives
IN Kim, Dae Whang; Chang, Hae Sung; Ko, Young Kwan; Ryu, Jae Wook; Woo, Jae Chun; Koo, Dong Wan; Kim, Jin Seog
PA Dongbu Hannong Chemical Co., Ltd., S. Korea
SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 744,450.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003096706	A1	20030522	US 2002-206984	20020730
	US 6600048	B2	20030729		
	US 6486098	B1	20021126	US 2001-744450	20010220
PRAI	KR 1998-30015	A	19980725		
	US 2001-744450	A2	20010220		
	WO 1999-KR401	W	19990724		

OS MARPAT 138:364189

L7 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:356159 CAPLUS
DN 138:364185
TI Preparation of optically active herbicidal (R)-phenoxypropionic acid-N-methyl-N-2-fluorophenyl amides
IN Kim, Dae Whang; Chang, Hae Sung; Ko, Young Kwan; Ryu, Jae Wook; Woo, Jae Chun; Koo, Dong Wan; Kim, Jin Seog; Chung, Bong-Jin; Kwon, Oh-Yeon
PA Dongbu Hannong Chemical Co., Ltd., S. Korea
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003037085	A1	20030508	WO 2001-KR1845	20011101
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,				

US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA	2465342	A1	20030508	CA 2001-2465342	20011101
EP	1448058	A1	20040825	EP 2001-981146	20011101
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR	2001017166	A	20041026	BR 2001-17166	20011101
CN	1558717	A	20041229	CN 2001-823753	20011101
HU	200402057	A2	20050128	HU 2004-2057	20011101
HU	200402057	A3	20051028		
JP	2005507402	T	20050317	JP 2003-539442	20011101
RU	2264392	C2	20051120	RU 2004-116468	20011101
BG	108697	A	20050331	BG 2004-108697	20040426
IN	2004DN01173	A	20060728	IN 2004-DN1173	20040430
US	2005043180	A1	20050224	US 2004-494084	20041001
PRAI WO	2001-KR1845	W	20011101		

OS MARPAT 138:364185
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:242099 CAPLUS
DN 138:267187
TI Synergistic herbicidal compositions for rice
IN Kotzian, Georg Ruediger
PA Syngenta Participations A.-G., Switz.
SO PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003024224	A2	20030327	WO 2002-EP10542	20020919
WO 2003024224	A3	20031204		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU	2002340918	A1	20030401	AU 2002-340918	20020919
JP	2005502717	T	20050127	JP 2003-528128	20020919
PRAI CH	2001-1734	A	20010920		
WO	2002-EP10542	W	20020919		

L7 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:242096 CAPLUS
DN 138:267186
TI Herbicidal mixtures based on 3-phenyluracils
IN Zagar, Cyrill; Sievernich, Bernd; Quakenbush, Laura; Evans, Richard R.; Landes, Max; Newsom, Larry J.; Ortlip, Charles L.; Witschel, Matthias; Landes, Andreas
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 84 pp.
CODEN: PIXXD2

Case 10509635

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024221	A1	20030327	WO 2002-EP10136	20020910
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2460088	A1	20030327	CA 2002-2460088	20020910
	AU 2002342671	A1	20030401	AU 2002-342671	20020910
	EP 1429609	A1	20040623	EP 2002-779329	20020910
	EP 1429609	B1	20070307		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002012460	A	20041019	BR 2002-12460	20020910
	CN 1555219	A	20041215	CN 2002-817977	20020910
	JP 2005502715	T	20050127	JP 2003-528125	20020910
	HU 200402256	A2	20050329	HU 2004-2256	20020910
	NZ 531486	A	20050826	NZ 2002-531486	20020910
	AT 355747	T	20070315	AT 2002-779329	20020910
	TW 252078	B	20060401	TW 2002-91120878	20020912
	MX 2004PA02087	A	20040607	MX 2004-PA2087	20040304
	US 2004235665	A1	20041125	US 2004-488977	20040309
	NO 2004001031	A	20040311	NO 2004-1031	20040311
	IN 2004CN00546	A	20051223	IN 2004-CN546	20040312
	ZA 2004002791	A	20050413	ZA 2004-2791	20040413
PRAI	US 2001-318834P	P	20010914		
	US 2001-333135P	P	20011127		
	WO 2002-EP10136	W	20020910		

OS MARPAT 138:267186
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:97245 CAPLUS
DN 138:149044
TI Synergistic herbicidal compositions
IN Schaetzer, Juergen; Wenger, Jean; Hall, Roger Graham; Nebel, Kurt; Hole, Stephen
PA Syngenta Participations A.-G., Switz.
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003009686	A1	20030206	WO 2002-EP8203	20020723
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				

CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	AU 2002325894	A1	20030217	AU 2002-325894	20020723
	EP 1408754	A1	20040421	EP 2002-760262	20020723
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002011397	A	20040817	BR 2002-11397	20020723
	JP 2004535471	T	20041125	JP 2003-515088	20020723
	US 2004209775	A1	20041021	US 2004-484746	20040121
PRAI	CH 2001-1377	A	20010724		
	WO 2002-EP8203	W	20020723		

OS MARPAT 138:149044
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:98210 CAPLUS
DN 132:118794
TI Preparation of herbicidal benzoxazolyloxyphenoxypropionamides
IN Kim, Dae Whang; Chang, Hae Sung; Ko, Young Kwan; Ryu, Jae Wook; Woo, Jae Chun; Koo, Dong Wan; Kim, Jin Seog
PA Korea Research Institute of Chemical Technology, S. Korea; Hyundai Engineering and Construction Co., Ltd.
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005956	A1	20000210	WO 1999-KR401	19990724
	W: AU, BR, CA, CN, IN, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	KR 2000011943	A	20000225	KR 1999-30067	19990723
	TW 561153	B	20031111	TW 1999-88112542	19990723
	CA 2338685	A1	20000210	CA 1999-2338685	19990724
	CA 2338685	C	20041207		
	AU 9950681	A	20000221	AU 1999-50681	19990724
	AU 751712	B2	20020822		
	EP 1100332	A1	20010523	EP 1999-935133	19990724
	EP 1100332	B1	20030416		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 9912440	A	20011002	BR 1999-12440	19990724
	JP 2002521401	T	20020716	JP 2000-561823	19990724
	JP 3500358	B2	20040223		
	AT 237601	T	20030515	AT 1999-935133	19990724
	ES 2198141	T3	20040116	ES 1999-935133	19990724
	IN 2001DN00049	A	20050311	IN 2001-DN49	20010122
	US 6486098	B1	20021126	US 2001-744450	20010220
PRAI	KR 1998-30015	A	19980725		
	WO 1999-KR401	W	19990724		

OS CASREACT 132:118794; MARPAT 132:118794
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.06	202.64

Case 10509635

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -4.68      -4.68

FILE 'STNGUIDE' ENTERED AT 08:02:41 ON 27 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep 24, 2007 (20070924/UP).

=> hold
HOLD IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> end
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:hold
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.60     203.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -4.68

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:08:24 ON 27 SEP 2007
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